(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 2 June 2005 (02.06.2005)

(10) International Publication Number WO 2005/049428 A1

- (51) International Patent Classification⁷: B65B 51/22, 7/16
- (21) International Application Number:

PCT/SE2004/001645

(22) International Filing Date:

12 November 2004 (12.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0303150-7

24 November 2003 (24.11.2003)

- (71) Applicant (for all designated States except US): TETRA LAVAL HOLDINGS & FINANCE S.A. [CH/CH]; Av. Général-Guisan 70, CH-1009 PULLY (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DELÉN, Anders [SE/SE]; Bösmöllevägen 18, S-244 91 KÄVLINGE (SE). SVENSSON, Jan [SE/SE]; Gökvägen 6, S-246 32 LÖDDEKÖPINGE (SE).

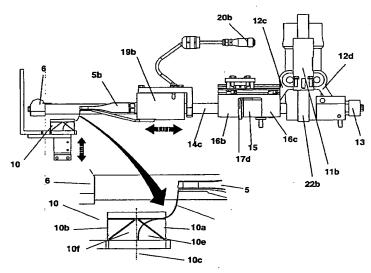
- (74) Agent: KARLSSON, Per Tomas; AB TETRA PAK, Patent Department, Ruben Rausings gata, S-221 86 LUND
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: AN APPARATUS AND A METHOD FOR SEALING A PACKAGE



(57) Abstract: The disclosure relates to an apparatus for sealing a package, comprising a sealing unit (5b) and an abutment (6) between which a number of material layers (10) are disposed to be clamped and sealed and fused together, characterised in that the abutment (6) is connected to at least one elongate element (14c) which extends in a direction from the abutment (6) towards and past the sealing unit (5b), that the elongate elements (14c), beyond the sealing unit (5b) are disposed to be connected to at least one first operating element (13), and that an operating unit is disposed to apply a force between the sealing unit (5b) and said first operating element (13) so that these are moved in a direction away from one another and so that the abutment (6) and the sealing unit (5b) are moved in a direction towards one another.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.